

AbstractARRANGEMENT AND METHOD FOR CONTROLLING TRANSMISSION AND/OR
RECEPTION OF SIGNALS IN A RADIO COMMUNICATIONS SYSTEM

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According to one aspect of the invention, an arrangement for
controlling transmission and/or reception of signals in a ra-
dio communications system is disclosed, comprising transcei-
ving means (TX,RX) each connected to one element of an array
10 of antenna elements (#1...#n), wherein at least one of said
transceiving means (TX,RX) is additionally connected to a
calibration antenna for transmitting and/or receiving test
signals to and/or from said antenna elements (#1...#n), at
least one calibration processor for determining variations of
15 said test signals in said transceiving means (TX,RX), and
a beamforming processor for taking into account the determi-
ned variations for beamforming and/or determination of direc-
tion of arrival of respectively transmitted and received ra-
dio signals by said antenna elements (#1...#n).

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FIG 4